

Application Serial No. 10/048,204
Amdt. dated May 3, 2004
Reply to Office Action of December 18, 2003

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended) A method for registering movement patterns of individuals, in particular lying positions of relatively young children, in which a sensor part is attached to or onto a body part of an individual, which sensor part comprises at least one movement sensor and transmitting means for preferably wireless transfer of a signal between said at least one movement sensor and a receiver, while on a the basis of the at least one signal a movement history of the individual in question is recorded and an information signal can be generated.

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Claim 2 (Currently Amended). A method according to claim 1, wherein in the movement history at least one time-related representation of the position of at least one part of a the body of the individual in question is recorded, while a threshold time is set during which at least one specific position of the at least one part of the body is allowed, such that when this threshold time is exceeded, and depending on the movement history, an alarm signal is generated.

Claim 3 (Original) A method according to claim 2, wherein the at least one specific position, preferably a number of specific positions, is or are set prior to use of the sensor part.

Claim 4 (Previously Presented) A method according to claim 1, wherein prior to use of the sensor part, at least one allowable and/or at least one unallowable movement pattern is set, while the movement history is compared with the at least one movement pattern, on the basis of which comparison an alarm signal is generated or not.

Claim 5 (Currently Amended) An apparatus for registering a movement pattern of at least one part of a the body of an individual, on a the basis of a number of parameters, and generating a signal on the basis of at least one pre-set threshold value of at least one

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parameter or a set movement pattern for use in registering lying positions of individuals, in particular relatively young children, which apparatus comprises at least one sensor part, a receiver, in particular a base station, transmitting means and receiving means for wireless communication between the sensor part and the receiver, wherein the sensor part comprises means for attachment to or onto the individual in question, at any rate the at least one part of the body, and at least one movement sensor, capable of registering movements of said at least one part of the body of the individual.

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Claim 6 (Currently Amended) An apparatus according to claim 5, wherein the at least one receiver is a first baby alarm or ~~like device~~ of a baby alarm set, the at least one signal being at least acoustic.

Claim 7 (Original) An apparatus according to claim 6, wherein an algorithm is provided for comparing the registered movement pattern with a pre-set allowable and/or unallowable movement pattern and activating at least the alarm signal on the basis of this comparison.

Claim 8 (Previously Presented) An apparatus according to claim 5, wherein memory means are provided for storing at least a part of the registered movement history of the individual in question, at any rate the at least one part of the body.

Claim 9 (Currently Amended) An apparatus according to claim 5, wherein means are provided for continuously or semicontinuously generating a signal via ~~the a~~ base station, in which signal at least the instantaneous movement situation, ~~the an~~ instantaneous posture and/or a part of the movement history are, at least is, encoded.

Claim 10 (Currently Amended) An apparatus according to claim 5, wherein setting means are provided for setting at least the at least one threshold value, allowable and/or unallowable movement patterns, kinds of signals, ~~and the like~~.

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Claim 11 (Previously Presented) An apparatus according to claim 5, wherein the sensor part comprises clamping means and a relatively smooth and flat, preferably rounded housing.

Claim 12 (Currently Amended) An apparatus according to claim 5, wherein the sensor part comprises means for picking up audio signals, such as originating from breathing, and or heartbeat and the like.

Claim 13 (Currently Amended) An apparatus according to claim 5, wherein means are provided for picking up via a telephone connection signals originating from the at least one movement sensor and/or any further registration means for, for instance, audio signals, while preferable the sensor part comprises means for responding to a specific telephone signal, in particular a groupe speciale mobile GSM connection.

Claim 14 (Currently Amended) Use of a movement sensor and transmitting and receiving means in a method for registering lying positions of individuals, in particular relatively young children; comprising:

providing a movement sensor for registering the movement and posture of said young children;

attaching said sensor to a body part of said young children; and

wherein, on a the basis of measuring signals of the at least one movement sensor, information signals are generated via the transmitting and receiving means.